



## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

Accredited by NAAC With 'A' Grade  
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur  
Near Chitranagari, Kolhapur - 416013 (MS)  
DTE INSTITUTE CODE : EN-6288  
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050  
Web : <http://coekolhapur.bharatividyaapeeth.edu> E-mail : [coekolhapur@bharatividyaapeeth.edu](mailto:coekolhapur@bharatividyaapeeth.edu)

**FOUNDER CHANCELLOR**  
**Dr. Patangrao Kadam**  
M.A., LL. B., Ph. D.

**PRINCIPAL**  
**Dr. Vijay Ghorpade**  
M.E., Ph. D. (Computer)

## NAAC SSR CYCLE- 2

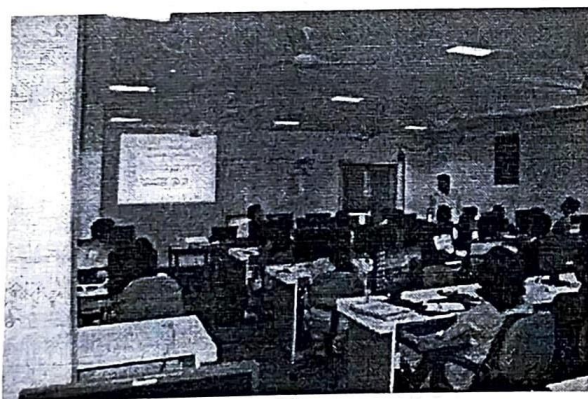


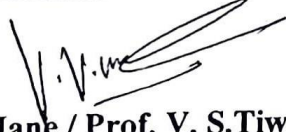
Criterion 1	Curricular Aspects
Key Indicator 1.2	Academic Flexibility
1.2.2 Percentage of students enrolled in Certificate/ Add-on/Value added programs and also completed online MOOC programs like SWAYAM, NPTEL etc. as against the total number of students during the last five years	




## BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING, KOLHAPUR

- **Organizing Department:** Civil Engineering Department.
- **Name of Activity:** Faculty Development Program of duration Four Days On "Geospatial Technology Applications in Watershed Management using QGIS"  
Under Lead College Activity
- **Name of Coordinator:** Prof.V.V.Mane and Prof. V. S.Tiware
- **Name of Resource Person :** Dr.S.S.Panhalkar, Prof. and Head , Department of Geography, Shivaji University, Kolhapur and his colleagues
- **Date of Activity :** 21<sup>st</sup> to 24<sup>th</sup> January, 2019
- **Participants:** Faculty, P.G. and U.G. students from various colleges and universities.
- **Details of Activity:** A four days FDP was organized between 21<sup>st</sup> January 2019 to 24<sup>th</sup> January, 2019 on subject "Geospatial Technology Applications in Watershed Management using QGIS" by Department of Civil Engineering. Dr.S.S.Panhalkar, Prof. and Head , Department of Geography, Shivaji University, Kolhapur and his colleagues conducted hands on training on QGIS and ERDAS software. In this, student learned to prepare watershed development plan using softwares.
- **Expected outcome of Activity:**
  1. Two batches of students from final year Civil Engineering will use these softwares in their projects.
  2. Students can prepare technical papers based on use of above softwares
- **Photos:**



  
Prof. V.V.Mane / Prof. V. S.Tiware  
Coordinators

  
Prof. V.S.Kadam  
H.O.D.

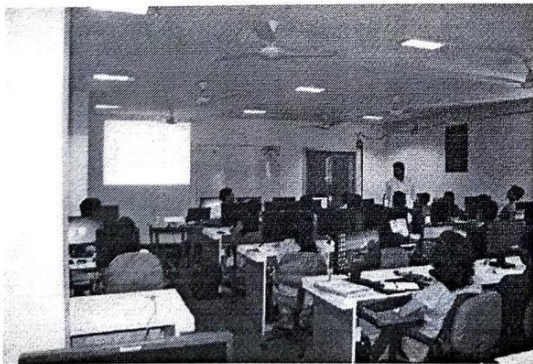
  
Dr. V.R.Ghorpade  
Principal







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Principal



Social Transformation Through Dynamic Education

**BHARATI VIDYAPEETH'S COLLEGE OF ENGINEERING  
KOLHAPUR  
DEPARTMENT OF CIVIL ENGINEERING**

**“Add-on Course”  
“QGIS”**

**Course Objectives:**

Be proficient in using QGIS

Be able to make maps for publishing.

**Course Outcome:**

On completion the successful student will:

- Gain a basic understanding of what a GIS is and its relevance to transport studies
- Know what some of the key data types and file formats
- Import pre-cleaned vector data into QGIS and navigate basic QGIS features
- Select a subset of the data
- Make a map showing point, line and polygon features and export it.
- Understand the key cartographic elements that must be present to allow interpretation of a map

# COURSE CONTENTS


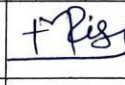
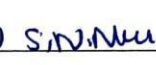
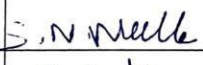

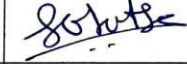
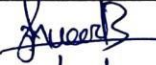




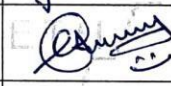

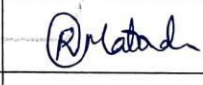


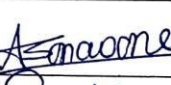
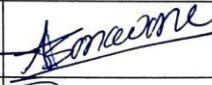


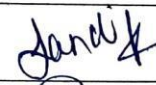
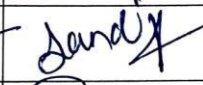






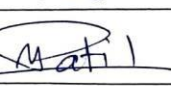


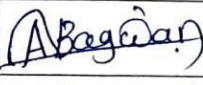


COURSE CODE: CIV181901

Session	CONTENTS	Hours
1	Introduction to GIS	03
2	Map Projections and Coordinate Reference Systems	04
3	The QGIS Interface	04
4	Adding Vector and Raster Data	05
5	Viewing, Sorting and Filtering Layer Attributes	04
6	Applying a Symbology	04
7	Mapping Coordinates and Scale	05
8	Using the Print Layout	04
9	Advanced Lighting	04
10	Map Generation using the Atlas Tool	05
11	Creating a Pie Chart map	05
12	The DB Manager	04







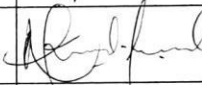
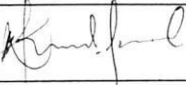
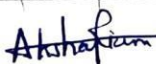

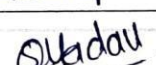
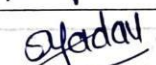
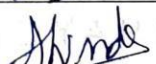


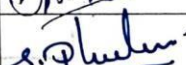
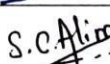
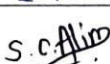





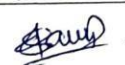




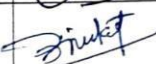

**Bharati Vidyapeeth's College of Engineering, Kolhapur**  
**Department of Civil Engineering**  
 Four days Faculty development programme  
 On  
**"Geospatial Technology Applications in Watershed Management using QGIS"**

**Attendance Day-I (21/01/2019)**

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1.	Mohesh Anant Pise (W.C.E)		
2.	Sahil Narayan Nevarekar (WCE)		
3.	Swapnil Vikas Ghatge (WCE)		
4.	Mueen M. Bagwan		
5.	Omkar Vilas Jadhav		
6.	Chinmay Arvind Gandhi		
7.	Raj. P. Matondkar		
8.	Vaibhav Dhondiram Kamble		
9.	Akshay A. Sondwane		
10.	Tahir Shafiq Mulla		
11.	Sandeep S. Nale [DYP]		
12.	Snehal S. Patil		
13.	Gayatri S. Ghosepade		
14.	MORE MANISHA ASHOK.		
15.	Mukund Kiran Patil		
16.	BAGWAN AKIB NAJIR		
17.	Shrikant Shrinivas Sanagar		

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**Attendance Day-I (21/01/2019)**

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
18.	Ms. Lohar Shobha. N		
19	Ankur Dhruvravj Bal		
20	Abash Nandkishor Tarabe.		
21	Akshay Prashant Nikam		
22	Omkar shashikant Yadav		
23	Sangramsinh Ganpatrao Shinde		
24.	Swikant s. Phulan.		
25.	Samidha Chandrakant Alim.		
26	Ankit Bharat Patil		
27.	Bhagyashri madhukar Pokade		
28	Gauri Sachin Kolhapure		
29	Swarup Suresh Nachankar		
30	Abhishek Ashok Khetale		
31	Aniket A. Gursav		



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Attendance Day-1 (22/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	Jadhav Omkar Vilas		
2	Chinmay Arvind Gandhi		
3	Yatbhay Dhondiram Kamble		
4.	Raj Prakash Matondkar		
5	Tahir Shakil Mulla		
6	Akshay Ajay Sonawane		
7	Aniket Ankush Awar		
8.	Shikant S. Phulke		
9.	Toraskar Mayuri Dhanaji		
10	Ankit Bharat Patil		
11.	Samidha Chandrakant Alim.		
12.	Gauri Sachin Kolhapure		
13.	Bhagyashri Madhukar Pokade		
14	Nachankar Swarup Suresh		
15	Abhishek Ashok Khetale		
16	Gayatri Suryakant Ghorpade		
17	Shrikant Shrihival Sonagar		





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Attendance Day-2 (22/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
18	BAGWAN AKIB NAJIR	(A Bagwan)	(A Bagwan)
19	Mukund Kiran Patil	(M Patil)	(M Patil)
20	Manisha Asthak More	(M More)	(M More)
21.	Lehar shobha Navaji	(L Navaji)	(L Navaji)
22.	Ankur Dhruvraj Baj	(A Baj)	(A Baj)
23.	Akash Nandkishor Tarabe.	(A Tarabe)	(A Tarabe)
24.	Akshay Prashant Nitram	(A Nitram)	(A Nitram)
25	Sangramsinh G. Shinde	(S Shinde)	(S Shinde)
26	Yadav Omkar Shashikant	(Y Yadav)	(Y Yadav)
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27	Sandeep S. Hale [DYI]	(S Hale) 22/1/19	(S Hale) 22/1/19
28	Sahil N. Nevarekar [WCE]	(S Nevarekar)	(S Nevarekar)
29	Muham M. Bagwan .	(M Bagwan)	(M Bagwan)
30.	Mahesh Anot Pise [WCE]	(M Pise)	(M Pise)
31	Swapnil Vikas Ghatge	(S Ghatge)	(S Ghatge)

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Attendance Day-3 (23/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	Shrikanth Shrinivas Sanyal		
2	Bagwan Akib Najir	(A Bagwan)	(A Bagwan)
3.	MANISHA ASHOK MORE	M More	M More
4.	PATIL MUKUND KIRAN	(Patil)	(Patil)
5	Swarup S. Nachankan	(Swarup)	(Swarup)
6	Abhishek Khetale	(Khetale)	(Khetale)
7.	Bhagyashri Madhukar Pokade	B Pokade	B Pokade
8	Ankit Bharat Patil	A Patil	A Patil
9	Samirha Chandrakant Alim.	S.C. Alim.	S.C. Alim.
10	Gauri Sachin Kolhapure	G Kolhapure	G Kolhapure
11	Chinmay Arvind Gandhi	C Gandhi	C Gandhi
12	Raj P. Matondkar	R Matondkar	R Matondkar
13	Ankur Vilas Tadha	A Tadha	A Tadha
14.	Ashay Prashant Nikam	A Nikam	
15.	Atash Nandkishor Tambe	A Tambe	
16	Ankur Dhruvraj Bal	A Bal	
17.	Lohar Shobha Navaji	L Navaji	L Navaji



**Attendance Day 3 (23/01/2019)**

**Bharati Vidyapeeth's College of Engineering, Kolhapur**  
**Department of Civil Engineering**  
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**"Geospatial Technology Applications in Watershed Management using QGIS"**

**Attendance Day 4 (24/01/2019)**

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1.	SAHIL NARAYAN NEVAREKAR	S.N.Nevarekar	
2.	MAHESH ANANT PISE	M.Pise	
3.	SWARNIL VIKAS GHATGE	S.Ghatge	S.Ghatge
4.	MUEEN MAHAMMED ALI BAGWAN	M.Bagwan	
5.	Omkar Vilas Tadham	O.Tadham	O.Tadham
6.	Chinmay Arvind Gandhi	C.A.Gandhi	C.A.Gandhi
7.	Snehal S. Patil	S.Patil	
8.	Akshay. A. Sonawane	A.Sonawane	
9.	Vaibhav Dhondiram Kambe	V.Kambe	
10.	Taraskar Mayuri Dharmaji	T.Dharmaji	T.Dharmaji
11.	Shrikant S. Phulani	S.Phulani	
12.	Tahir Shakil Mulla	T.Mulla	T.Mulla
13.	Samidha Chandrakant Alim.	S.C.Alim.	S.C.Alim.
14.	Ankit Bharat Patil	A.Patil	A.Patil
15.	Bhagyashri Madhukar Pokade	B.Pokade	B.Pokade
16.	Gauri Sachin Kolhapure	G.Kolhapure	G.Kolhapure
17.	Swarup Suresh Nachankar	S.Nachankar	S.Nachankar



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Attendance Day 4 (24/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
18	KHETALE ABHISHEK ASHOK		
19	Githorpade Gayatri Subyakant		
20	Sanagar Shrikant Shrinivas		
21	Aniket Ankush Gurav		
22.	MORE MANISHA ASHOK		
23.	PATIL MUKUND KIRAN		
24	Lohar Shobha Navaji		
25	Ankur Dhruvaraj Bal		
26.	Abash Nandkishor Tambe.		
27.	Akshay Prashant Nikam		
28	Sangramsinh G. Shinde		
29	yadav Omkar S.		
30	Sandeep S. Nale (DYP)		

Bharati Vidyapeeth's College of Engineering, Kolhapur

Department of Civil Engineering

Four days Faculty development programme

On

"Geospatial Technology Applications in Watershed Management using

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Attendance Day-I (21/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	Shrutika Prabhakar Gavali		
2	Akanksha Rajesh Shinde		
3	Shreya Ashok Patil		
4	Prashant Shashad Dabhadre		
5	Harshvardhan Kishor Patil		
6	Prathmesh Ajit Jadhav		
7	Ashpals Hamid Momin		
8	Prasad Manohar Phulani		
9	Prasad V Sodage		
10	Sankalp S. Bagade		
11	Pratik Pandurang More		
12	Mohit Milind Gavade		
13	Tushar R. Patil		
14	Prathmesh Vijay Lad		
15	Harshvardhan R. More		
16	MR. Pratik Ashok Gulave		
17	Abhishek S. Dongare		
18	Patil Abhishek Vinayak		
19	Vishal G. Zade		
20	Paymal Prathamesh Narendra		
21	Shreyash Armol Patil		
22	Abhishek Sudhir Patil		
23	Revati Anil Dalavi		
24	Sanket Balvant Budhwarde		



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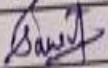
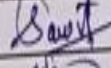
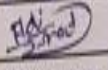
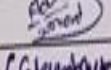


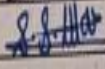
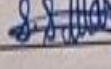
Four days Faculty development programme

On

"Geospatial Technology Applications in Watershed Management using

QGIS"

Attendance Day-I (21/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
25	Shreyash Pandurang Sawant		
26	Aditya D. Sawant		
27	Chitralekha G. Kumbhar	C.G. Kumbhar	C.G. Kumbhar
28	Sayali V. Shinde	sayu	sayu
29	Apurva R. Rout	ARout	ARout
30	Manali R. Debholkar		
31	Nail Sanika Vishwas	S.V. Nail	S.V. Nail
32	Shifa S. Attar		
33			
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35			
36			

Bharati Vidyapeeth's College of Engineering, Kolhapur

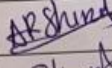
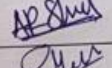
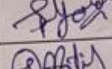
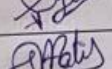
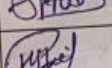
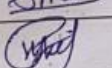
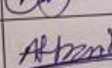
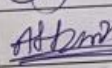
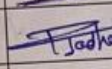
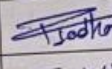
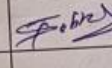
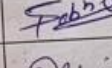
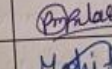
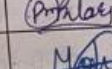
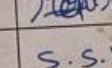
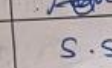
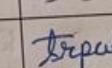
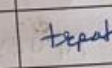
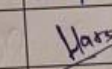
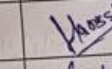
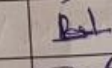
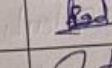
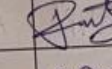
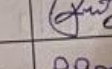
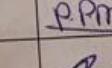
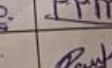
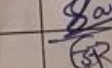
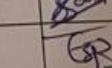
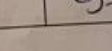
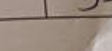


Department of Civil Engineering

Four days Faculty development programme

On

"Geospatial Technology Applications in Watershed Management using  
QGIS"

Attendance Day-I (22/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	AKantsha shinde		
2.	sbruhka Gavali		
3	Shreya Patil		
4.	Harshwardan Patil		
5.	Aspat Momin		
6.	Prathmesh Tadhar		
7.	Prashant dabhade.		
8.	Prasad manohar Phulari		
9	Mohit Milind Gavade		
10	Sumit . S. Varute	S.S.V	S.S.V
11	Tushar - R. Patil		
12	Harshwardhan. R. More.		
13	Prathmesh. V. Lodi.		
14	Prasad V Sodage		
15	Pratik P. More		
16	Sankalp . S. Bagade.		
12	MR. Pratik Ashok Gulave		



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



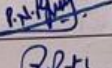
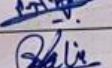




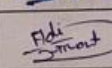
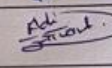










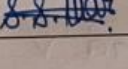
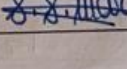
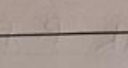
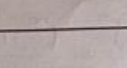
Department of Civil Engineering

Four days Faculty development programme

On

"Geospatial Technology Applications in Watershed Management using  
QGIS"

Attendance Day-I (22/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
18	Abhishek S. Dongare		
19	Patil Abhishek Vinayak		
20	Paymal Prathamesh Narendra		
21	Shreyash Amol Patil		
22	Abhishek Sudhir Patil		
23	Visha G. Zade		
24	Aditya D. Saccant		
25	Chitralekha G. Kumbhar		
26	Sayali V. Shinde		
27	Apurva R. Rout		
28	Manali R. Dabholkar		
29	Nailh Sanika Vishwas		
30	Shifa Shakil Attar		
31			
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34			
35			

Bharati Vidyapeeth's College of Engineering, Kolhapur

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Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	shinde Akantsha	APShinde	APShinde
2	Gavali shrutika	Shruti	Shruti
3	Jadhav prathmesh	Prathmesh	Prathmesh
4	Patil shreya	Shreya	Shreya
5	dabhade Prashant	Prashant	Prashant
6	Momin Ashpak.	Ashpak	Ashpak
7	Harshwardhan K. Patil	Harshwardhan	Harshwardhan
8	Prasad M. P.	Prasad	Prasad
9	Mohit M. Gavade	Mohit	Mohit
10	Pratik P. More	P. P. More	P. P. More
11	Prasad V. Sodage	Prasad	Prasad
12	Tushar-R. Patil	Tushar	Tushar
13	Sumit-S. Varute	S. S. V	S. S. V
14	Prathmesh-V. Lad.	Prathmesh	Prathmesh
15	Harshwardhan R. More	Harshwardhan	Harshwardhan
16	MR. Pratik Ashok Gulave	Pratik	Pratik
17	Patil Abhishek Vinayak	Patil	Patil
18	shreyash Amol Patil	Shreyash	Shreyash
SA	Paymal Prathmesh Narendra	Prathmesh	Prathmesh



Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
20	Sankalp S. Bagade	<u>Sankalp</u>	<u>Sankalp</u>
21	Abhishek Sudhir Patil	<u>ASP</u>	<u>ASP</u>
22	Vishal G. Zade	<u>Verade</u>	<u>Verade</u>
23	Aditya D. Saccand	<u>Adi Saccand</u>	<u>Adi Saccand</u>
24	Abhishek S. Dongare	<u>AD</u>	<u>AD</u>
25	Chitralekha G. Kumbhar	<u>C.G. Kumbhar</u>	<u>C.G. Kumbhar</u>
26	Sayali V. Shinde	<u>Sayali</u>	<u>Sayali</u>
27	Apurva R. Rout	<u>ARout</u>	<u>ARout</u>
28	Manali R. Dabholkar	<u>MD</u>	<u>MD</u>
29	Nailh Sanika Vishwas	<u>S.V. Nailh</u>	<u>S.V. Nailh</u>
30	Shifa Shakil Attar	<u>S.S. Attar</u>	<u>S.S. Attar</u>
31			
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Bharati Vidyapeeth's College of Engineering, Kolhapur

Department of Civil Engineering

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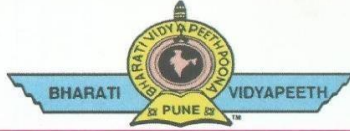
QGIS"

Attendance Day-I (24/01/2019)

Sr. No.	Name of faculty	Session-I Sign	Session-II Sign
1	shinde Aranksha		
2	Patil shreya		
3	Gavali shrutiqa		
4	Jadhav Prathmesh		
5	dabhade Prashant		
6	Momin Ashpak		
7	Patil Harshwardan		
8	Prasad M.P.		
9	Pratik P. More		
10	Prathmesh V. Lad		
11	Mohit -M. Gavade		
12	Abhishek Vinayak Patil		
13	MR. Pratik Ashok Gulave		
14	Sankalp S. Bagade		
15	Sumit S. Varute		
16	Prasad V sodage		
17	Tushar R. Patil		
18	Harshwardhan R. More		
19	Prathamesh Narendia Paymal		



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**BHARATI VIDYAPEETH'S  
COLLEGE OF ENGINEERING, KOLHAPUR**

Accredited by NAAC With 'A' Grade  
Approved by AICTE, New Delhi & Affiliated to Shivaji University, Kolhapur  
Near Chitranagari, Kolhapur - 416013 (MS)  
DTE INSTITUTE CODE : EN-6288  
Tel.No.: (0231) 2638893, 2638894, Fax : 2636050  
Web : <http://coekolhapur.bharatividyaapeeth.edu> E- mail : [coekolhapur@bharatividyaapeeth.edu](mailto:coekolhapur@bharatividyaapeeth.edu)

FOUNDER & CHANCELLOR  
**Dr. Patangrao Kadam**  
M.A., LL. B., Ph. D.

PRINCIPAL  
**Dr. Vijay Ghorpade**  
M.E., Ph. D. (Computer)

To,  
Dr S.S Panhalkar Professor& HOD  
Department Geography  
Shivaji University  
Kolhapur

Date : 19/01/2019

**Subject : To Conduct FDP on geospatial technology in water shade management using QGIS**

On behalf of Civil Engineering Department, Bharati Vidyapeeth college of Engineering, Kolhapur, I'm writing to you. We want to arrange An Add-On Course to Our Students geospatial technology in water shade management using QGIS We'd love to meet you and hear more about QGIS . We think that if you give your valuable knowledge about QGIS to our students of our Department, It will be helpful to them for their future.

So we request you to kindly accept the invitation for conducting a course on. QGIS Thanking You,

HOD

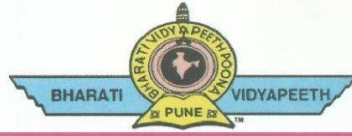
V.S. Kadam

(Civil Engineering Department)

Dr. V. R. Ghorpade

Principal





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FOUNDER & CHANCELLOR

**Dr. Patangrao Kadam**

M.A., LL. B., Ph. D.

PRINCIPAL

**Dr. Vijay Ghorpade**

M.E., Ph. D. (Computer)

### Subject: Thanking Letter

Dear Sir

We are thankful to you for the giving us your time and sharing your keen knowledge with us for the Faculty Development Programme on "Application of GIS and Remote sensing Technology using QGIS" organized by Department of Civil Engineering on 21<sup>st</sup> to 24<sup>th</sup> January 2019 at Bharati Vidyapeeth's College of Engineering, Kolhapur.

We hope that in a future we should always get you precious knowledge and wisdom.

Thanking You,

Dr.V. R. Ghorpade

Date: 24/1/2019